

Optical Properties of Hot Air. I. Fundamental  
Processes and Spectrum Characteristics, by  
I. V. Avilova.

RUSSIAN, per, J. Quant Spectr Radiat Transfer,  
Vol 9, N969, pp 89-111.

CIA X-7055

July 69

385,447

Optical Properties of Heated Air. II. Integral  
Properties, 4000 to 20,000<sup>0</sup>K., by I. V. Avilova,  
L. M. Biberman, 12 pp.  
FRENCH, per, J Quant Spectrosc Radiative Transfer  
No 9, 1969, pp 113-122.  
AEC/LA-Tr-69-19

CIA X - 7054

Sci/Phy  
Apr 70

405,674

Investigation of Continuous Radiation of  
a Nitrogen Plasma, by E. I. Asinovskiy,  
A. V. Kirillin, 23 pp.  
ENGLISH, per, J. Quant. Spectr. & Radiat.  
Transfer, vol. 10, no. 3, 1970,  
pp. 143-164.  
CIA X-7223

May 70

Absolute Inensities and Oscillator Strengths of Some Lines of the 1-0 and 2-1 Vibration-Rotation Bands of the OH Radical.

FRENCH, per, Journal of Quantitative Spectroscopy and Radiative Transfer, Vol 11, No 8, 1971, pp 1215-1224.

\*AFCRL

Jan 72

Improvement of Chemical Separations on Ion Exchange  
Resins: Effect of Grain Size, by G. Aubouin,  
J. Laverlochere.

FRENCH, per, J. Radioanal Chem, Vol 1, 1968,  
pp 123-127.  
UCRL-Trans10324

July 69

385-967

*Ch. Engelmann*

Determination of  $\text{Se}$ ,  $\text{B}$ ,  $\text{C}$ ,  $\text{N}$ ,  $\text{O}$ , and  $\text{F}$  by activation with  
protons, deuterons  $\text{He-3}$ , or particles,  $\text{I}$ , by  
*Ch. Engelmann.*

FRENCH, per, Journal of Radioanalytical Chemistry,  
Vol 7, 1971, pp 89-101  
NASA TT F 14,202

mar 72

The Stark Profile of the Ly- $\alpha$  Line in the Transition  
Region from Collisional Broadening to Quasistatic  
Broadening, by V. S. Lisitsa.  
GERMAN, per, J. Quant Spectrosc Radiative Transfer;  
Vol 12, No 5, 1972, pp 985-988.  
\*AEC/LB/G-205-3

June 72

<sup>4</sup>(AEC-tr-7219) <sup>5</sup>INTRODUCTION TO MEDICAL  
NEUTRON RADIOPHYSICS. <sup>6</sup>Buchet, R. <sup>10</sup>Translated by Myra  
S. Feldman (Du Pont de Nemours (E. I.) and Co., Aiken, S. C.),  
from <sup>15</sup>J. Radiol., Electrol., Med., Nucl., 51: 269-78(1970). <sup>20</sup>14p.  
<sup>24</sup>Dep. NTIS.

<sup>25</sup>

<sup>26</sup>biomed; translations <sup>27</sup>06

<sup>28</sup>MN-48 <sup>29</sup>P NSA

REFRIGERANT CIRCUIT DESIGN IN THE U.S.S.R.  
DURING THE RECENT MEETINGS OF THE I.I.R. IN  
MOSCOW SEVERAL PAPERS DEALING WITH THE  
PROGRESS OF EVAPORATOR DESIGN AND REFRIGE-  
RANT CIRCUIT LAYOUT IN THE U.S.S.R. WERE  
PRESENTED. ABSTRACTS OF THREE OF THOSE  
PAPERS ARE GIVEN. 5p. MTWL: 916.  
Order from OTS or ETC \$1.40 61-17592

Repr. from Journal of Refrigeration Nov.-Dec. 1958.

DESCRIPTORS: \*Refrigeration systems, Design,  
\*Ammonia, Ware houses, Compressors.

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- I. Refrigerant
- II. MTWL-916
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Toegankelijke Wetenschap-  
lijke Literatuur

Office of Technical Services

Snow as an Obstacle and as a Pathway. Methods of Advancing Through It. M. V. K. V. V. N. S. Col. Boris Rukoviet, 10 pp. UNCL.

SWEDISH, per, Journal of the Royal Academy of War Sciences, No 10, 1958.

ID 2109119

MOR

Mil, Econ  
Jan '59

28.347

The Importance Of Geomorphology To Soil Science  
by C. Edelman.

LUNCH, per, Journal of the Royal Geographical Society of Holland, Vol LXXIV, No 3, 1957,  
pp 257-262.

CSIRO Tr 4110

Oct. 62

Oxidation of unsaturated compounds with  
Organic Peroxides, by N. Prilezayev, 43 pp.  
RUSSIAN, per, Journal of the Russian Physical  
Chemistry Society, Vol 42, 1910, pp 1357-1410.  
P500019163  
Dept of Navy/NIC Trans No 2473

Sci-Chemistry 150,000  
Feb 00

Air Pollu. SA-7189-67

R-7898-D  
13 Jan 67

On the generation of sulfuric acid mist from sulfur dioxide in the atmospheric air

By: Kikuzi Kimura, Osamu Tada, Kuninori Kimotsuki  
and Kenji Nakasaki  
From: J. Science of Labour Vol. 41, No 10 pp 501-511,  
( 11 p)  
1965

Japanese - est for wds:

Translate and type 1 camera ready and 1 carbon copy.  
Document can be cut.

Studies on Polyphosphates (Part 3): Insolubilization of  
Polyphosphates in Soils, by T. Tsuge.  
JAPANESE, per, Journal of the Science of Soil and Manure,  
Vol 29, No 3, June 1958, pp 99-103.  
\*NTIS/TVA TT 71-53095  
Available TVA Only

June 71

A Method of Measuring the Speed of the Starting Mechanism of a System Photographing "Luminous" Models During Ballistic Research, by V. N. Gadian, 6 pp.

RUSSIAN, per, Journal of Scientific and Applied Photography and Cinematography, Vol 15, No 4, 1970.

ARM/FSTC/HT-23-995-71

Aug 71

Fractionating Nozzle Separation of the Uranium  
Isotopes through Use of Light Supplementary Gases,  
by E. W. Becker & K. Bier.  
Gesellschaft für  
Angewandte  
Naturforschung und  
Technik (GANT),  
per, Journal of Scientific Research,  
Vol 18a, No 2, 1963, pp 246-250.  
Dept of Navy NIC tr 2597

Sci/Phys  
June 68

358,211

Effectiveness of UV Absorbers and  
Commercially Available Sunscreens,  
by R. Schulze.  
GERMAN, per, Society of Cosmetic Chemists.  
Journal, Vol 14, 1963, pp 544-565.  
HTC 72-10506-11G

Apr 72

HORIKAWA, K. and others. On the atmospheric stress  
corrosion cracking of low-alloy high strength steels and  
stainless steels.  
J.Soc.Material Sci.Japan 17:723-8 (1968) (CRL/T. 4074x)

Creep Rupture Strength and Electron Micro-  
structures of 2 1/4 Cr-1% Mo Steels After Heat  
Treatments, by K. Suzuki.  
JAPANESE, per, Journal of Society of Materials  
Science, Japan, Vol 19, Mar 1970, pp 188-195  
C.E. Tr-5594

sept 72

S. Yamamoto

S. Ohta

The internal creep rupture strength of joints in  
steel tubes welded in dissimilar metals.

JAPANESE, per, Journal of the society of Materials  
Science, Japan, Vol 19, No 198, 1970, pp 198-202  
C.E. trans 5728

may 72

The Mechanical Behaviour of Sintered Vsteel,  
by T. Noguchi.  
JAPANESE, per, J. Soc. Mat. Sci. Japan, Vol 21,  
Feb 1972, pp 117-122.  
BISI 10670

Nov 72

A. Nylund

Structural Evolution of the Phosphides,  
Arsenides, and Arsenophosphides  $M_2P$ ,  $M_2As$ ,  
and  $M_2(P_{1-x}As_x)$ .

ENGLISH, per, Journal of Solid State Chemistry,  
Vol 4, 1972, pp 115-122  
NIC 72-13279-20B

sept 72

Table of Soviet Missiles, by Alfred J. Zaehringer,  
4 pp.

GERMAN, per, The Journal of Space Flight, Vol  
VIII, No 5, May 1956, pp 1-4. CIA 9006302 v

Rand Corp Tr RM 1760

Sci Aeronautics  
Oct 57

54, 230

Preoperative Electromyographic Examinations to  
Determine the Viability of Damaged Segments of  
the Small Intestine in Dogs and Man,  
by H. Schamaun  
GERMAN, per, Journal for Surgery, Vol. 316,  
1966, pp 485-490.  
\*ACSI J-5193  
ID 2204014968

Sci-B&M  
Sept 68

Report From the Meeting; Inhibition of Caries  
by Phosphates, by A. Stralfors, 4 pp.

SWEDISH, per, Journal of Swedish Dental Assn,  
20 Jan 1956.

NIH Tr 7-7

Sci - Med  
Aug 57

50, 807

The Effect of the Rate of Previous Deformations on  
Energy Absorption in the Compression of Copper, by  
Yu. A. Studenok, 11 pp.

RUSSIAN, per, Journal of Technical Physics, Vol 20,  
No 4.

ARM/FSTC/HT-23-779-71

March 72

Energy Absorption in Deformations of Opposite Sign in  
Copper, by M. M. Degryarev, 12 pp.  
RUSSIAN, per, Journal of Technical Physics, Vol 20, No 4.  
ARM/FSTC/HT-23-793-71

Jan 72

Nekotorye Ocsimmetrichnye Zadachi Teorii  
Teploprovodnosti so Smeshannymi Granichnymi  
Usloviyami, by Yu. N. Kusmin.  
RUSSIAN, per, Journal of Technical Physics,  
Vol XXXVI, No 2, 1966, pp 230-238.  
\*CFSTI TT 67-59054

Jun 67

4-6783-D  
17 March 1966

Seasonal Aspects in the Distribution of Marine  
birds in the open waters of the Japan sea  
By: V. P. Shantov  
From: Journal of Zoology V. XLIV, No. 3, 1965 pp 411-422  
( 12 pp)

Russia - ext for wds:

Type 1 original copy only. Document may be cut.

4(LA-tr-72-18) 5ACHROMATIC CERENKOV COUNTER  
WITH A CALCULATED RESOLUTION OF  $\pm$  MeV FOR PROTONS OF  
ENERGY 400 TO 700 MeV. 6Zrelov, V. P.; Kollar, D.; Pavlovich,  
P.; Ruzhichka, Ia.; Shulek, P. 7Joint Inst. for Nuclear Research,  
Dubna (USSR). 8Translated by Helen J. Dahlby (Los Alamos  
Scientific Lab., N. Mex.), from pp 482- 5 of report 9JINR-D-5805.  
105p. 11CONF-700902-9. 12Dep. NTIS.

13From International conference on instrumentation for high  
energy physics; Dubna, USSR (8 Sep 1970).

14Instrumentation; physics (nuclear); translations 1518D, 20H

16MN-37 17P NSA

A semi-automatic device for scanning and  
measuring spark chamber photographs, by  
F. Lehar, et al.  
FRENCH, per, Report JINR, - R - 2340. 1965,  
NLL 5028.4F (5920)

343,863

Sci - Nuclear, Atomic & Mole Phy  
Apr 67

Inelastic Interaction of High Energy Helium Ions  
with Atomic Nuclei, by V. S. Barashenkov, 16 pp.  
RUSSIAN, rpt, No R-2-6195, Lab of Theoretical Physics,  
Lab of Nuclear Reactions, 1971, pp 1-18.  
AEC/ORNL-Tr-2618-72

Aug 72

Buildup of Cosmic Isotopes in Iron Meteorites, by  
V. S. Barashenkov, 9 pp.  
RUSSIAN, rpt, JINR R-2-6225, Joint Institute for  
Nuclear Research, Dubna, 1972, pp 1-14.  
AEC/ORNL-Tr-2620-72

Aug 72

Neutron Resonances of Gadolinium Isotopes, by  
E. N. Karzhavina, et al.  
ENGLISH, rpt, USSR, Joint Institute for Nuclear  
Research, Dubna.  
NTC 71-14412-18B

Feb 72

Experiments in  $\alpha$ -Particle Acceleration by the  
Collective Method, by V. P. Savantsev, et al.  
ENGLISH, rpt., USSR, Joint Institute for Nuclear  
Research. 1971.  
NTC 71-14089-20G

Feb 72

1<sub>1</sub> 2<sub>2</sub> 3<sub>3</sub> 4<sub>4</sub>(ANL-Trans-905) 5SIGN OF THE ASTATINE ION  
IN HClO<sub>4</sub>-H<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> SOLUTIONS. 6Tying, Do Kim; Dudova, L.  
Khalkin, V. 7Joint Inst. for Nuclear Research, Dubna (USSR).  
18Translated for Argonne National Lab., Ill., from Russian Preprint.  
296p. 24Dep. NTIS.

25

26Chemistry (physical); translations 2707D

28MN-4 29P NSA

REPORT. JOINT INSTITUTE FOR NUCLEAR RESEARCH,  
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1968 JINR-P4-3935 BNL-TR-285 <=>  
1968 JINR-P2-4183 ORNL-TR-2148 <=>  
1968 JINR-P13-4059 70-10004-18B <\*>  
1968 JINR-P9-4171 70-10026-20G <\*>  
1968 JINR-P7-3732 70-10035-18B <\*>  
1968 JINR-P2-3716 70-10111-20H <\*>  
1968 JINR-P7-3041 70-10112-20H <\*>  
1968 JINR-K1-3686 70-10214-18D <\*>  
1968 JINR-P2-4402 70-11030-20H <\*>  
1968 JINR-P2-4306 70-11031-20H <\*>  
1968 JINR-P4-3935 70-11033-20H <\*>

REPORT. JOINT INSTITUTE FOR NUCLEAR RESEARCH,  
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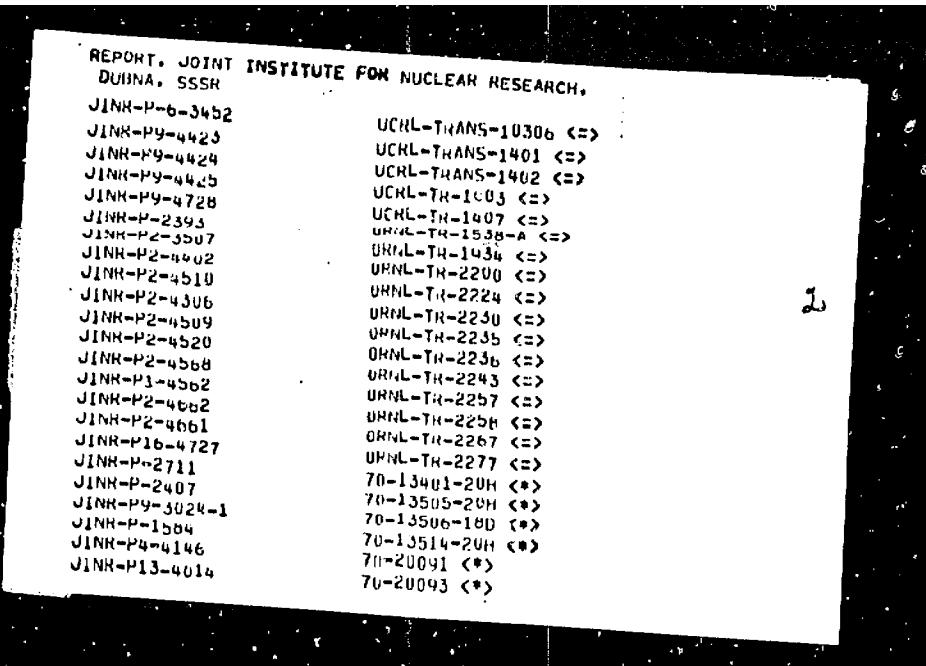
1969 JINR-P2-4543	SLAC-TH-98 <=)
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JINR-P3-3697	70-20107 <*>
JINR-P4-3674	70-20108 <*>
JINR-P16-3567	70-20117 <*>
JINR-P9-3369	70-20121 <*>
JINR-P15-4014	70-20122 <*>
JINR-P10-3122	70-20124 <*>
1962 JINR-P-1010	70-20146 <*>
1964 JINR-P-18d4	AEC-TR-5569 <=> 70-13502-2UG <*>

An Electromagnetic Mass-Separator of the Laboratory  
of Nuclear Reactions: A Calculation of the Magnetic  
Analyser for the Mass Separator, by N. I. Tarantin.  
RUSSIAN, rpt, USSR Joint Institute for Nuclear  
Research, Dubna, Report JINR-P-1940.

NTC-71-10193-13D

Nov 71

An Electromagnetic Mass-Separator of the Laboratory  
of Nuclear Reactions. Part II. A Description of the  
Mass-Separator and its Characteristics, by  
A. V. Demyanov.

RUSSIAN, rpt, USSR Joint Institute for Nuclear  
Research, Dubna, Report JINR-P-1949.  
MPC-71-10192-12D

Nov 71

Theory of the Nuclear Spin-Lattice Relaxation in  
Solid Ortho-Hydrogen, by K. Valyasek.  
RUSSIAN, rpt, USSR, Joint Institute for Nuclear  
Research, Dubna, Report JINR-P4-4893, 1970.  
NTC-71-10002-20H

Nov 71

Study by the Extraction Method of the Complexing  
of Cerium and Europium, by I. Stary, 7 pg.  
RUSSIAN, rpt, Joint Institute for Nuclear Research,  
Dobna, 0230412.

NEC G4H [REDACTED]  
Tr-76c

282,004

Sci-Chem or Nuclear Sci & Tech  
Nov 66

Study by the Extraction Method of the Complexing  
of Americium and Promethium, by I. Stary, 9 pp.  
SUBSTA, r;t, Joint Institute for Nuclear Research,  
Dubna, 9230306.  
Acc. DNL-tr-759

201, 42

Sci-nuclear Sci & Tech  
Nov 05

Investigation of the Characteristics of the Beam  
of Protons Accelerated in the 10 BEV Synchro-  
phasotron, by A. D. Kuznetsov, K. P. Myznikov,  
30 pp.

*per*  
RUSSIAN, ~~Eng~~, Joint Inst for Nuclear Research,  
Dubna, Lab of High Energy, Report P-787,  
JINR-P-787, 13 pp. 9691179

AMC UCRL Tr-843

Sci - Phys  
Sep 2362

211, 313

Yields of Some Fragments in Bombardment of Heavy  
Nuclei with Multi-Charged Ions. II. Fission  $U^{238}$   
by  $Ne^{22}$ Ions, by I. Brandstetr, I. Zvara, et al.

*rpt*  
RUSSIAN, *rpt*, Joint Institute for Nuclear Research,  
Dubna SSSR. Lab. of Nuclear Reactions.

\*AEC-UCRL-Tr-956

Sci - Phys  
Jun 63

Reports at the Conference on Nuclear Reactions  
Induced by Multicharge Ions,

RUSSIAN, <sup>Joint</sup> Inst for Nuclear Research,  
Dubna, 11-13 Mar 1958.

AEC Tr-4445

Sci - Nuc Phys  
May 61

150,321

Cyclotron With Spatial Variations in the Intensity  
of the Magnetic Field, by D. P. Vasilevskaya,  
A. A. Glazov, et al.

RUSSIAN, per, Joint Inst for Nuclear Research, Dubna  
USSR, Lab of Nuclear Problems, 1959, 33 pp.

\*ABC

Jan 60

Studies of Photoproduction by Means of Dispersion Relations, by L. D. Solovyev, G. N. Tentyukova, 27 pp.

RUSSIAN, Joint Institute for Nuclear Research (USSR), 1959, p384.

AEC UCRL- tr-1041(L)

Sci - N/P  
Aug 66

307,308

An Eight Litre Hydrogen - Deuterium Bubble Chamber  
in a Magnetic Field, by T. D. Blokhintseva, A. T.  
Vasilenko, V. G. Grebinik, 36 pp.

RUSSIAN, per, Joint Inst for Nuclear Research, Dubna.  
JINR-P-848, 1961.

ABC UEM Tr-820

Sci - Nucl Phys  
Jun 62  
List 69

197, 839

Synchronization Work of the Bubble Chamber With the  
Synchrocyclotron, by M. P. Balandin, V. G. Grabinik,  
G. I. Selivanov, 20 pp.

RUSSIAN, per, Joint Inst for Nuclear Research, Dubna,  
JINR-P-852, 1961.

AED UCRL Tr-811

Sci - Nuc Phys

Jun 62

List 69

197, 840

Asymmetry in the Angular Distribution of Neutrons  
During the Muon-Nucleon Capture in Cadmium, by  
V. N. Strugayev, V. I. Kozakov, V. S. Raskin, 32 pp.

*Sept 1*  
MIFIAM, ~~ppm~~, Joint Inst for Nuclear Research,  
Dubna, USSR, Inst of Nuclear Problems, 1961. (90764)

AEC UCRL TR-750

Nucl. & Phys.  
app 12

*183, 915*

Analysis of Average Neutron Capture Cross-  
Sections, by Yu. P. Popov, Yu. I. Demin.

RUSSIA, Inst. 9203636 Institute of Nuclear  
Investigations Nuclear Physics, 1962  
9203636

Sci - Nucl Sci and Tech

Mar 63

226, 556

Cross-Sections of Formation, and Mean Angular  
Momenta, of Compound Systems in Reactions With  
Heavy Ions, by V. V. Babikov, 25 pp.  
RUSSIAN, rpt, Joint Institute for Nuclear Research,  
1963. 9225292  
AEC-UCRL-Tr-1096

Sci-Nucl Sci  
Nov 64

268,557

Decay Properties of Compound ~~X~~ Dysprosium Nuclei  
Having a High Angular Momentum, by G. Kumpf,  
V. A. Karnaughov, 22 pp.  
RUSSIAN, rpt, Joint Institute for Nuclear Research,  
1963. 9225293  
AEC-UCRL-Tr-1095

Sci-Nucl Sci  
Nov 64

268,554

Synthesis of Element 102 Isotope With Mass Number 256,  
by E. D. Donets, V. A. Shchegolev, et al, 28 pp.  
RUSSIAN, rpt, Joint Institute for Nuclear Research,  
1953. 922.262.6  
AEC-Tr-6369  
AEC-NP-Tr-1137 (922 2994)

Sci-Nucl Sci  
Jun 64

260,505

The Fundamental Aspects of Shielding From  
Radiation of Accelerators of Protons, Deuterons  
and Alpha Particles, by M. M. Komochkov, 62 pp.  
RUSSIAN, rpt, Joint Institute for Nuclear Research,  
1963. 9225308  
AEC-UCRL-Tr-~~1042~~(L)  
1062

Sci-Nuclei Sci

Nov 64

268,555

Calculation of ~~E<sub>0</sub>~~ Phase Relationships in the Cyclotron,  
by G. N. Vyalov, 7 pp.  
RUSSIAN, rpt, Joint Institute for Nuclear Research,  
1963. 9222683  
AEC-NP-Tr-1133

Sci-Nucl Sci  
Jul 64

260,999

Experiments ~~1~~ on the Observation of Radioactive Decay Accompanied by Proton Emission, by V. A. Karnaughov, G. M. Akop'yan, et al, 6 pp. RUSSIAN, ~~xx~~ rpt, Joint Institute for Nuclear Research, 1963, pp 1-7. 9222298  
AEC-Tr-6360

Sci-Nucl Sci  
Jun 64

259,766

The Theory of Fragmentation in the Processes of  
Quasi-Elastic Scattering of Fast Particles on Light  
Nuclei, by V. V. Balashov, A. N. Boyarkina, et al,  
40 pp.

RUSSIAN, rpt, Joint Institute of Nuclear Research,  
1963. 7222968  
AEC-ANL-Tr-5

Sci-Phys  
Aug 64

262,917

Experimental Investigation of Angular Distribution in  
Transfer Reactions With Ne<sup>20</sup> and A<sup>40</sup> Ions, by  
E. Lozhinski, 31 pp.  
RUSSIAN, rpt, Joint Institute for Nuclear Research,  
1963. 9224330  
AEC-JCRL-Tr-10810

Sci-Nucl Sci  
Aug 64

265,626

Calculation of Phase Relationships in the  
Cyclotron, by G. N. Byalov, 8pp  
RUSSIAN, per, Joint Inst. for Nuclear Research,  
1963, p 13<sup>4</sup>3  
OTS TT-64-19307

Sci - Phy  
May 67

326,504

Calculation of Particle Production in  
Nuclei, by V. A. Belyakov, A. V.  
Royadzhilyev.  
RUSSIA, rpt, Joint Institut for Nuclear  
Research, Dubna, pp 1-13, 1964 9230180  
SFC MLL-tr-213

Sci-NSC-T  
Nov 65 290,676

Synthesis of Element 102 Isotope with Mass Number 256, by E. D. Donets, V. A. Shchegolev, V. A. Ermakov, 40pp RUSSIAN, per, Joint Inst. for Nuclear Research, Vol 16, 1964, No 3, pp 195-206 OTS TT-64-19306

Sci - Phy  
May 67 326,499

Spontaneous Fission of Element 102 With Mass Number  
256, by V. A. Drulin, N. K. Skobelev, et al, 9 pp.  
RUSSIAN, rpt, Joint Institute of Nuclear Research, 1964.  
AEC-NP-Tr-1170

9226037

Sci-Nucl Sci  
Jan 65

270,584

Isotropic Discharge Chamber for the Detection of  
Tracks of Relativistic Charged Particles,  
by M. M. Butslcv, V. I. Komarov, et al, 14 pp.  
RUSSIAN, rpt, Joint Institute for Nuclear Research,  
Dubna, 1964, pp 1-17. 9225790  
AEC-ANL-Tr-64

Sci-Nucl Sci  
Dec 64

269,402

The Electromagnetic Properties of Baryons in the  
Model of Unitary Symmetry, by E. Kapustsik, E. Obryk,  
5 pp.  
RUSSIAN, rpt, Joint Institute for Nuclear Research,  
1964, pp 1-7. 9225791  
AEC-ANL-Tr-65

Sci-Nucl Sci  
Dec 64

270,058

XN200XX  
Studies of Photoproduction by Means of Dispersion  
Relations, by L. D. Solov'ev, G. N. Tentyukova, 27 pp.  
RUSSIAN, rpt, Joint Institute for Nuclear Research,  
Jan 1964.  
AEC-UCRL-Tr-1041(L)

Sci-Nucl Sci  
Dec 64

269, #948

A Polarized Proton Target for Experiments With  
High-Energy Particles, by S. M. Bilens'kiy,  
L. I. Lapidus, et al, 76 pp.  
RUSSIAN, rpt, Joint Institute for Nuclear Research,  
1964, pp 1-80. 9226032  
AEC-ANL-Tr-83

Sci-Nucl Sci  
Dec 64

270,154

Verification of Dispersion Correlations in  
the Small-angle and High-energy Region,  
by V. S. Barashenkov, V. I. Belya.  
NDSM, rpt, Jetet Institute of Nuclear  
Research, pp 1-9, 1964 9225023  
PLC RNL-IR-174

Sci-1 BNL  
Oct 68

290,520

Investigation of the Dynamics of the  
Molecular Groups NH<sub>3</sub><sup>+</sup> and H<sub>2</sub>O in Crystals,  
by A. Bayorch, T. A. Machelina, et al.,  
34 pp.  
RUSSIAN, rpt, Joint Institute for Nuclear  
Research, 1964, pp 1-39. (2270)  
ABC AIL-Pr-145

Sci-Ar  
Apr 65

27,040

Study by the Extraction Method of the Complexing of  
Curium and Europium, by I. Stary.  
RUSSIAN, report, USSR. Joint Institute for  
Nuclear Research. Dubna, 1965.

WTC 70-17187-07B

Study by the Extraction Method of the Complexing  
of Americium and Promethium, by I. Starv.

RUMSLAN, Jr., USSR. Joint Institute for Nuclear  
Research Dubna., REPORT IAK-1-200.

WTC 7C-11100-37B

A Calculation of Nuclear Fission Induced by Neutron Particles, by V.B. Burashenkov, V.V. Valusev.

9 pp.

Russia, rpt, Joint Institute of Nuclear Research,  
Dubna(USSR), 1965, 9 pp.  
NA-241-tr-15

Sci/Nuclear Tech  
Rev 66

311,034

Determination of spins of  $\Lambda^{165}$  neutron  
resonances by Transmission of Polarized  
Neutrons Through a polarized Target in the  
Energy Interval 0-55eV, by V. P. Alifimov,  
V. I. Basaiikov, et al.  
RSSIAN, rpt, Joint Institute for Nuclear  
Physics, Dubna, 1965. 9251657  
AMC-SNL-Tr-36

Sci - A6  
Jan 66

294,281\*

Evaporation Reactions of Several Neutrons  
by Bombarding U-238 with Accelerated Ions  
of Oxygen-18, Fluorine-19, and Neon-22,  
by E. D. Donets, V. A. Shchegolev.  
RUSSIAN, per Joint Institute for Nuclear  
Research, 1965 9229833  
REC UCRL-Tr-1235

Sci-Phys  
Nov 65 201,946

An Increase of the Internal Beam Current  
of the JINR Synchro-Cyclotron by  
Additional Electrostatic Focusing, by  
V. I. Panlov, I. E. Enchevich.  
Russian, rpt, Joint Institute for Nuclear  
Research, 1965, 10 pp. 9227642  
AEC NP-TR-1268

Sci-Phys  
Oct 65 296,414

Interaction of Elementary Particles with  
Atomic Nuclei in the Energy Region 1-30  
GeV, by I. Z. Artykov, V. S. Gurakchenov,  
et al.  
Russia, rpt, Joint Institute for Nuclear  
Physics, Dubna, 1965. 9231030  
AMC-ALL-Tr-47

Sci - 10  
Jan 66

204,235

Interaction of Fast Protons with  
Heavy Ions, by V. S. Barashenkov,  
V. M. Maltsev.  
RUSSIAN, rpt, Joint Institute of  
Nuclear Studies, 1965 9229902  
AEC-BNL-Tr-21

Sci-BS&T  
Oct 65

290,613

Neutron-<sup>238</sup>U nuclear interaction in the  
200-30 keV Energy Region, by Van  
Schi-d, Van Nun-elan.  
Nucleair, inc., Joint Institute for Nuclear  
Research, 1965 9230173  
KIC BM-TR-16

Sci-Ket T  
Rev 65

201,813

AEC #47 (TD 8 April)

R-6880-D  
31 March 66

On a possibility of using particle charge exchange for  
their multiple acceleration in a potential electric  
field

By: Vyalov G. N., Fiks M.M.

From: Joint Institute for Nuclear Research, Dubna 1965  
Pamphlet No. 2538 ( 26 pp )

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